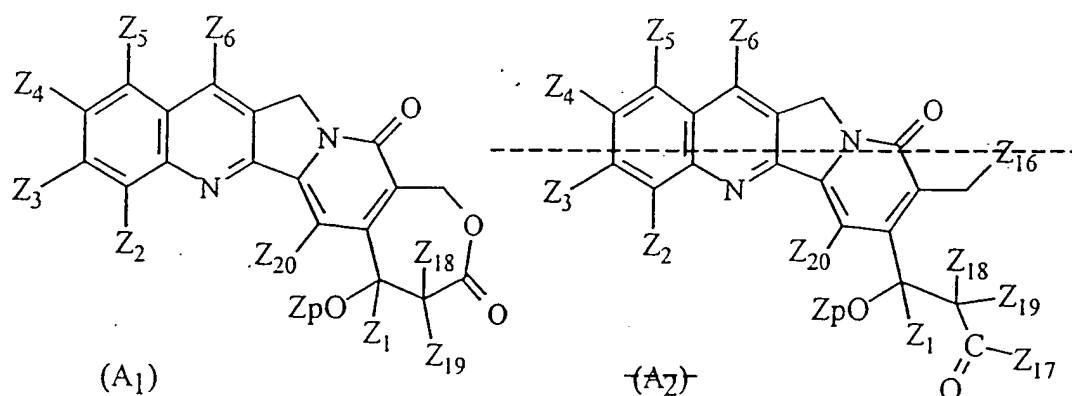


AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended)

A compound of the formula



in racemic or enantiomeric form or any combination of these forms, wherein

Z_1 is a member selected from the group consisting of lower alkyl, lower alkenyl, lower alkynyl, lower haloalkyl, lower alkoxy lower alkyl and lower alkylthio lower alkyl;

Z_2 , Z_3 , Z_4 , Z_5 and Z_6 are independently a member selected from the group consisting of,

- i) H, halo, lower haloalkyl, alkyl of 1 to 12 carbon atoms unsubstituted or substituted by at least one halo, lower alkenyl, cycloalkyl, cycloalkyl lower alkyl, cyano lower cyanoalkyl, nitro, lower nitroalkyl, amido, lower amidoalkyl, hydrazino, lower hydrazinoalkyl, azido, lower azidoalkyl, lower alkyl lower sulphonylalkyl, $-(CH_2)_mNZ'_6Z'_7$, $-(CH_2)_mOZ'_6$,

$-(CH_2)_mCO_2Z'_6$, $-(CH_2)_mCO_2Z'_6$, $-(CH_2)_mNZ'_6C(O)Z_8$, $-(CH_2)_mC(O)Z_8$,
 $-(CH_2)_mOC(O)Z_8$, $-O-(CH_2)_mNZ'_6Z'_7$, $-OC(O)NZ'_6Z'_7$, $-OC(O)$
 $(CH_2)_mCO_2Z'_6$, $-OSO_2Z_7$, $-(CH_2)_mN(CH_3)_nNZ'_6Z'_7$, -
 $(CH_2)_mOC(O)NZ'_6Z'_7$, $-(CH_2)_mS(O)_qZ_{11}$, $-(CH_2)_mP(O)Z_{12}Z_{13}$, -
 $(CH_2)_2P(S)Z_{12}Z_{13}$, $-(CH_2)_mSiZ'_{11}Z'_{12}Z'_{13}$; or ii) $-(CH_2)_n[N=X]$, -
 $OC(O)[N=X]$, $-(CH_2)_mOC(O)[N=X]$, aryl and lower arylalkyl, each
unsubstituted or substituted with 1 to 4 members on the aryl or the
heterocycle selected from the group consisting of lower alkyl, lower
arylalkyl, halo, hydroxy, $-OCF_3$, nitro, amino, lower alkylamino, di(lower
alkyl) amino, lower haloalkyl, lower hydroxyalkyl, lower alkoxy and
lower alkoxy lower alkyl or iii) Z_3 and Z_4 or Z_4 and Z_5 form together a
chain of 3 or 4 members in which the elements of the chain are selected
from the group consisting of CH, CH_2 , O, S, N or NZ_9 ;

Z_7 is a member selected from the group consisting of lower alkyl
unsubstituted or substituted by at least one halod, arylk, aryl unsubstituted
or substituted by at least one lower alkyl;

Z'_6 and Z'_7 are independently a member selected from the group consisting of i) H,
lower alkyl, lower hydroxyalkyl, lower alkyl lower aminoalkyl, lower
aminoalkyl, cycloalkyl, cycloalkyl lower alkyl, lower alkenyl, lower
alkoxy lower alkyl and haloalkyl, or ii) aryl or lower arylalkyl,
unsubstituted or substituted on the aryl with 1 to 4 members selected from

the group consisting of lower alkyl, halo, nitro, amino, lower alkylamino, lower haloalkyl, lower hydroxyalkyl, lower alkoxy and lower alkoxy lower alkyl;

Z₈ is a member selected from the group consisting of i) H, lower alkyl, lower hydroxyalkyl, amino, lower alkylamino, lower alkyl lower aminoalkyl, lower aminoalkyl, cycloalkyl, cycloalkyl lower alkyl, lower alkenyl, lower alkoxy, lower alkoxy lower alkyl and lower haloalkyl, or ii) aryl or lower arylalkyl unsubstituted or substituted on the aryl with 1 to 4 members selected from the group consisting of lower alkyl, halo, nitro, amino, lower alkylamino, lower haloalkyl, lower hydroxyalkyl, lower alkoxy and lower alkoxy lower alkyl ;

Z₉ is a member selected from the group consisting of i) H, lower alkyl, lower haloalkyl, or ii) aryl and lower arylalkyl unsubstituted or substituted with a member selected from the group consisting of lower alkyl, halo, nitro, amino, lower alkylamino, lower haloalkyl, lower hydroxyalkyl, lower alkoxy and lower alkoxy lower alkyl;

Z₁₀ is a member selected from the group consisting of i) H, lower alkyl, lower haloalkyl and lower alkoxy, or ii) aryl unsubstituted or substituted on the aryl with a member selected from the group consisting of lower alkyl, lower haloalkyl, lower hydroxyalkyl and lower alkoxy lower alkyl;

Z₁₁ is a member selected from the group consisting of lower alkyl, aryl, $-(CH_2)_mOZ_{14}$, $-(CH_2)_mSZ_{14}$, $-(CH_2)_2NZ_{14}Z_{15}$ and $(CH_2)_m[N=X]$;

- Z_{12} and Z_{13} are independently members selected from the group consisting of lower alkyl, aryl, lower alkoxy, aryloxy and amino;
- Z'_{11} , Z'_{12} and Z'_{13} are independently a member selected from the group consisting of H or lower alkyl;
- Z_{14} and Z_{15} are independently a member selected from the group consisting of H, lower alkyl and aryl;
- Z_{16} is H or ~~OZ_{24}~~ ;
- Z_{17} is ~~OZ'_6 or NZ'_6 or $NZ'_6Z'_7$~~ ;
- Z_{18} and Z_{19} are independently a member selected from the group consisting of H, halo, lower alkyl, lower alkoxy and hydroxy;
- Z_{20} is H or halo;
- Z_{21} is ~~a member selected from the group consisting of H, lower alkyl, CHO and $C(O)(CH_2)_mCH_3$~~ ;
- Z_p is a member selected from the group consisting of H or an easily cleavable group preferably chosen from the groups corresponding to the formula $-C(O)-A-NZ_{22}Z_{23}$ in which A represents a linear or branched alkylene unsubstituted or substituted by a member selected from the group consisting of free, esterified or salified hydroxy, halogen, free, esterified or salified carboxy, amino, mono and dialkylamino;
- Z_{22} and Z_{23} are independently a member selected from the group consisting of i) H, lower alkyl, lower hydroxyalkyl, lower alkyl lower aminoalkyl, lower

aminoalkyl, cycloalkyl, cycloalkyl lower alkyl,, lower alkenyl, lower alkoxy lower alkyl, lower haloalkyl, or ii) aryl or lower arylalkyl unsubstituted or substituted on the aryl with 1 to 4 members selected from the group consisting of lower alkyl, halo, nitro, amino, lower alkylamino, lower haloalkyl, lower hydroxyalkyl, lower alkoxy and lower alkoxy lower alkyl;

m is an integer between 0 and 6;

n is 1 or 2; and

q is an integer from 0 to 2; and

[N=X] is a heterocyclic group with 4 to 7 ring members with the nitrogen atom which a member of the heterocyclic ring, and X is the chain necessary to complete said heterocyclic group and selected from the group consisting of O, S, CH₂, CH, N, NZ₉ and C(O)Z₁₀;

and or its pharmaceutically acceptable salt.

Claim 2 (currently amended)

A compound of claim 1, in racemic or enantiomeric form or any combinations of these forms, wherein

Z_1 is a member selected from the group consisting of lower alkyl, lower alkenyl, lower alkynyl, lower haloalkyl, lower alkoxy lower alkyl and lower alkylthio lower alkyl;

Z_2 is a member selected from the group consisting of H, halo and $-\text{OSO}_2Z_7$;

Z_3 , Z_4 and Z_5 are independently a member selected from the group consisting of i) H, halo, lower haloalkyl, lower alkyl, lower alkenyl, cyano, lower cyanoalkyl, nitro, lower nitroalkyl, amido, lower amidoalkyl, hydrazino, lower hydrazinoalkyl, azido, lower azidoalkyl, $-(\text{CH}_2)_m\text{NZ}'_6Z'_7$, $-(\text{CH}_2)_m\text{OZ}'_6$, $-(\text{CH}_2)_m\text{SZ}'_6$, $-(\text{CH}_2)_m\text{CO}_2Z'_6$, $-(\text{CH}_2)_m\text{NZ}'_6\text{C}(\text{O})Z_8$, $-(\text{CH}_2)_m\text{C}(\text{O})Z_8$, $-(\text{CH}_2)_m\text{OC}(\text{O})Z_8$, $-\text{O}(\text{CH}_2)_m\text{NZ}'_6Z'_7$, $-\text{OC}(\text{O})\text{NZ}'_6Z'_7$, $-\text{OC}(\text{O})(\text{CH}_2)_m\text{CO}_2Z'_6$ and $-\text{OSO}_2Z_7$ or ii) $-(\text{CH}_2)_n[\text{N}=\text{X}]$, $-\text{OC}(\text{O})[\text{N}=\text{X}]$, $-(\text{CH}_2)_m\text{OC}(\text{O})[\text{N}=\text{X}]$ wherein $[\text{N}=\text{X}]$ is a heterocyclic group with 4 to 7 ring members with the nitrogen atom, which is a member of the heterocyclic group, and X is the remaining members, which are necessary to complete the heterocyclic group, selected from the group consisting of O, S,

CH₂, CH, N, NZ₉ and COZ₁₀, aryl or lower arylalkyl, unsubstituted or substituted on the aryl or the heterocycle with 1 to 4 members selected from the group consisting of lower alkyl, halo, nitro, amino, lower alkylamino, lower haloalkyl, lower hydroxyalkyl, lower alkoxy and lower alkoxy lower alkyl or iii) Z₃ and Z₄ or Z₄ and Z₅ form together a chain with 3 or 4 members in which the elements of the chain are selected from the group consisting of CH, CH₂, O, S, N and NZ₉;

Z₆

is a member selected from the group consisting of
i) H, halo, lower haloalkyl, alkyl containing 1 to 12 carbon atoms unsubstituted or substituted by at least one halo, lower alkoxy, lower alkoxy lower alkyl, lower alkylthio lower alkyl, cycloalkyl, cycloalkyl lower alkyl, cyano, cyanoalkyl, lower alkyl lower sulphonylalkyl, lower hydroxyalkyl, nitro, $-(CH_2)_mC(O)Z_8$, $-(CH_2)_mNZ'_6C(O)Z_8$,
 $-(CH_2)_mNZ'_6Z'_7$, $-(CH_2)_mN(CH_3)(CH_2)_nNZ'_6Z'_7$,
 $-(CH_2)_mOC(O)Z_8$, $-(CH_2)_mOC(O)NZ'_6Z'_7$, $-(CH_2)_mS(O)_qZ_{11}$,
 $-(CH_2)_mP(O)Z_{12}Z_{13}$, $-(CH_2)_2P(S)Z_{12}Z_{13}$, and
 $-(CH_2)_mSiZ'_{11}Z'_{12}Z'_{13}$; or ii) $-(CH_2)_n[N=X]$, $-OC(O)[N=X]$,
 $-(CH_2)_mOC(O)[N=X]$, each unsubstituted or unsubstituted on the heteroaryl with 1 to 4 members of the group consisting of lower alkyl, lower

arylalkyl, halo, hydroxy, nitro, amino, lower alkylamino, lower haloalkyl, lower hydroxyalkyl, lower alkoxy and lower alkoxy lower alkyl; or iii) aryl or lower arylalkyl, each unsubstituted or substituted on the aryl with 1 to 4 members of the group consisting of lower alkyl, halo, hydroxy, nitro, $-OCF_3$, amino, lower alkylamino, di(lower alkyl)amino, lower haloalkyl, lower hydroxyalkyl, lower alkoxy and lower alkoxy lower alkyl;

Z_7 is a member selected from the group consisting of lower alkyl unsubstituted or substituted by at least one halo, or unsubstituted or substituted by at least one lower alkyl;

Z'_6 and Z'_7 are independently a member selected from the group consisting of i) H, lower alkyl, lower hydroxyalkyl, lower alkyl lower aminoalkyl, lower aminoalkyl, cycloalkyl, cycloalkyl lower alkyl, lower alkenyl, lower alkoxy lower alkyl and lower haloalkyl, or ii) aryl or lower arylalkyl unsubstituted or substituted on the aryl with 1 to 4 members of the group consisting of lower alkyl, halo, nitro, amino, lower alkylamino, lower haloalkyl, lower hydroxyalkyl, lower alkoxy and lower alkoxy lower alkyl;

Z₈

is a member selected from the group consisting of
i) H, lower alkyl, lower hydroxyalkyl, amino, lower
alkylamino, lower alkyl lower aminoalkyl, lower
aminoalkyl cycloalkyl, cycloalkyl lower alkyl,
lower alkenyl, lower alkoxy, lower alkoxy lower
alkyl and lower haloalkyl, or ii) aryl or lower
arylalkyl unsubstituted or substituted on the aryl
with 1 to 4 members of the group consisting of
lower alkyl, halo, nitro, amino, lower alkylamino,
lower haloalkyl, lower hydroxyalkyl, lower alkoxy
and lower alkoxy lower alkyl;

Z₉

is a member selected from the group consisting of
i) H, lower alkyl and lower haloalkyl, or ii) aryl
or lower arylalkyl, unsubstituted or substituted
with a member of the group consisting of lower
alkyl, halo, nitro, amino, lower alkylamino, lower
haloalkyl, lower hydroxyalkyl, lower alkoxy and
lower alkoxy lower alkyl;

Z₁₀

is a member selected from the group consisting of
i) H, lower alkyl, lower haloalkyl and lower
alkoxy, or ii) aryl unsubstituted or substituted on
the aryl with 1 to 4 members of the group
consisting of lower alkyl, lower haloalkyl, lower
hydroxyalkyl and lower alkoxy lower alkyl;

Z_{11} is a member selected from the group consisting of lower alkyl, aryl, $-(CH_2)_mOZ_{14}$, $-(CH_2)_mSZ_{14}$, $-(CH_2)_2NZ_{14}Z_{15}$ and $-(CH_2)_m[N=X]$;

Z_{12} and Z_{13} are independently a member selected from the group consisting of lower alkyl, aryl, lower alkoxy, aryloxy and amino;

Z'_{11} , Z'_{12} and Z'_{13} are independently H or lower alkyl;

Z_{14} and Z_{15} are independently a member selected from the group consisting of H, lower alkyl and aryl;

~~Z_{16} is H or $-OZ_{21}$~~

~~Z_{17} is $-OZ'_6$ or $-NZ'_6Z'_7$~~

Z_{18} and Z_{19} are independently a member selected from the group consisting of H, halo, lower alkyl, lower alkoxy and hydroxy;

Z_{20} is H or halo;

~~Z_{21} is a member selected from the group consisting of H, lower alkyl, $-CHO$ and $-C(O)(CH_2)_mCH_3$~~

Z_p represents H or an easily cleavable group of the formula $-C(O)-A-NZ_{22}Z_{23}$, wherein A is alkylene unsubstituted or substituted by a member selected from the group consisting of free, esterified or salified hydroxy, halogen, free, esterified or salified carboxy, amino and mono and dialkylamino;

Z_{22} and Z_{23} are independently a member selected from the group consisting of i) H, lower alkyl, lower hydroxyalkyl, lower alkyl lower aminoalkyl, lower aminoalkyl, cycloalkyl, cycloalkyl lower alkyl, lower alkenyl, lower alkoxy lower alkyl, lower haloalkyl, or ii) aryl or lower arylalkyl unsubstituted or substituted by 1 to 4 members of the group consisting of lower alkyl, halo, nitro, amino, lower alkylamino, lower haloalkyl, lower hydroxyalkyl, lower alkoxy and lower alkoxy lower alkyl;

m is an integer between 0 and 6; and

n is 1 or 2; and

q is an integer from 0 to 2; and

[N=X] is a heterocyclic group with 4 to 7 ring members

with the nitrogen atom which is a member of the heterocyclic ring, and X is the chain necessary to complete said heterocyclic group and is selected from the group consisting of O, S, CH₂, CH, N, NZ₉ and COZ₁₀;

~~and~~ or a pharmaceutically acceptable salt thereof;

Claim 3 (currently amended)

A compound of claim 1 wherein Z₂ is H or halo ~~and~~ or a pharmaceutically acceptable salt thereof.

Claim 4 (currently amended)

A compound of claim 1 wherein Z₃ is halo; ~~and~~ or a pharmaceutically acceptable salt thereof.

Claim 5 (currently amended)

A compound of claim 1 wherein

Z₁ is lower alkyl;

Z₂ is H or halo;

Z₃ Z₄ and are independently a member selected from the group consisting of

i) H, halo, lower alkyl, -(CH₂)_mNZ'₆Z'₇, -(CH₂)_mOZ'₆ and -OSO₂Z₇

or

ii) -(CH₂)_n[N=X] or

iii) Z₃ and Z₄ or Z₄ and Z₅ form together a chain with 3 or 4 members in which the elements of the chain are selected from the group

consisting of CH, CH₂, O, S, N and NZ₉;

Z₆ is a member selected from the group consisting of
i) H, halo, alkyl of 1 to 12 carbon atoms
unsubstituted or substituted by at least one halo,
lower alkoxy lower alkyl, cycloalkyl, cycloalkyl
lower alkyl, lower hydroxyalkyl, -(CH₂)_mNZ'₆Z'₇ and
-(CH₂)_mSiZ'₁₁Z'₁₂Z'₁₃; or ii) -(CH₂)_n[N=X] unsubstituted
or substituted with lower alkyl or lower arylalkyl
or iii) aryl or lower arylalkyl unsubstituted or
substituted with a member selected from the group
consisting of lower alkyl, halo, -OCF₃, di(lower
alkyl)amino and lower haloalkyl;

Z₇ is lower alkyl unsubstituted or substituted by at
least one halo;

Z'₆ and Z'₇ are independently i) H, or lower alkyl, or ii)
lower arylalkyl;

Z₉ is lower alkyl or lower arylalkyl;

Z'₁₁, Z'₁₂ and Z'₁₃ are independently lower alkyl;

~~-Z₁₆~~ ~~-is H or -OZ₁₇-~~

~~Z₁₇ is -OZ'₆ or -NZ'₆Z'₇;~~

Z₁₈ and Z₁₉ are independently H or halo;

Z₂₀ is H;

~~Z₂₁ is a member selected from the group consisting of H, lower alkyl or -C(O)(CH₂)_mCH₃;~~

Z_p is H or -C(O)-A-N₂₂Z₂₃, in which A is alkylene unsubstituted or substituted by a member selected from the group consisting of free, esterified or salified hydroxy, halogen, free, esterified or salified carboxy, amino and mono and dialkylamino radicals;

Z₂₂ and Z₂₃ are independently H or lower alkyl;

m is an integer between 0 and 6;

n is 1 or 2; and

q is an integer from 0 to 2; and

[N=X] is a heterocyclic group with 4 to 7 ring members, X is the chain necessary to complete said

heterocyclic group and is selected from the group consisting of O, CH₂, CH, N and NZ₉;
~~and~~ or a pharmaceutically acceptable salt thereof.

Claim 6 (currently amended)

A compound of claim 1 wherein Z₁₈, Z₁₉ and Z₂₀ are H; ~~and~~ or a pharmaceutically acceptable salt thereof.

Claim 7 (currently amended)

A compound of claim 1 wherein Z₁ is ethyl ~~and~~ or a pharmaceutically acceptable salt thereof.

Claim 8 (currently amended)

A compound of claim 1 wherein Z_p is -C(O)-A-NZ₂₂Z₂₃ ~~and~~ or a pharmaceutically acceptable salt thereof.

Claim 9 (currently amended)

A compound of claim 1 wherein Z_p is H ~~and~~ or a pharmaceutically acceptable salt thereof.

Claims 10 and 11 (currently cancelled)

Claim 12 (currently amended)

A compound of claim 1 wherein Z_6 is $-(CH_2)_mSiZ'_{11}Z'_{12}Z'_{13}$ ~~and~~ or a pharmaceutically acceptable salt thereof.

Claim 13 (amended)

A compound of claim 1 selected from the group consisting of:

(5R)-5-ethyl-9,10-difluoro-5-hydroxy-12-(2-trimethylsilylethyl)-4,5,13,15-tetrahydro-1H,3H-oxepino[3',4': 6,7] indolizino[1,2-b]quinoline-3,15-dione; and

(5R)-5-ethyl-5-hydroxy-12-(2-trimethylsilylethyl)-4,5,13,15-tetrahydro-1H,3H-oxepino [3',4': 6,7]indolizino[1,2-b]quinoline-3,15-dione.

Claim 14 (currently amended)

A compound of claim 1 wherein Z_2 is H or halo, Z_3 is halo, Z_4 is a member selected from the group consisting of H, halo and lower alkyl, Z_5 is H or halo, and Z_6 is a member selected from the group consisting of H, lower alkyl and $-(CH_2)_n[N=X]$ substituted with lower alkyl ~~and~~ or a pharmaceutically acceptable salt thereof.

A compound of claim 1 selected from the group consisting of:

indolizino[1,2-b]quinoline-3,15-dione; and

Claim 16 (currently amended)

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Claims 17 to 27 (currently cancelled)